

Sheet 1 of 17

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
2026-4230US1SERIAL NO.  
09/155,590

## INFORMATION DISCLOSURE CITATION

*(Use several sheets if necessary)*APPLICANT(S)  
Jeffrey Schlom et alFILING DATE  
September 30, 1998GROUP ART UNIT  
1643

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

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						YES	NO
HAC	2,253,211	2/9/92	GB	—	—		
HAC	WO 89/06974	8/10/89	WO	—	—		

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Papers, Etc.)*

HAC	HAC	Rotzschke, O. et al, Isolation and analysis of naturally processed viral peptides as recognized by cytotoxic T cells, <u>Nature</u> 1990, 348:252-254.
		Skipper, J. et al, Identification of Two Cytotoxic T Lymphocyte-recognized Epitopes in the Ras Protein, <u>The Journal of Experimental Medicine</u> , 177 (5), 1993, 1493-1498.

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		Abrams, S.I. et al, Mutant <i>ras</i> epitopes as targets for cancer vaccines, <u>Sem. Oncol.</u> 23, 118-134 (1996).
		Eishenlohr, L.C. et al, A transient transfection system for identifying biocynthesized proteins processed and presented to class I MHC restricted T lymphocytes, <u>J. Immunol. Meth.</u> , 1992, 154:131.

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AR		Peace, D.J. et al, T cell recognition of transforming proteins encoded by mutated <i>ras</i> proto-oncogenes, <u>J. Immunol.</u> , 146, 2059-2065, (1991).
AR		Takahashi, H.S. et al, A single amino acid interchange yields reciprocal CTL specificities for HIV-1 gp 160, <u>Science</u> , 1989, Vol. 246, 118-121.

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		Rock, K.L. et al, Analysis of the association of peptides of optimal length to class I molecules or the surface of cells, <u>Proc. Natl. Acad. Sci. USA</u> 1992, Vol. 89, 8918-8922.
		Mitsudomi, T. et al, P53 mutation in non small lung cancer cell line and their correlation with the presence of <i>ras</i> mutations and clinical features, <u>Oncogene</u> 1992, Vol. 7, No. 1, 171-180.

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		Kahn, S.M. et al, Rapid and sensitive nonradioactive detection of mutant K-ras genes via enriched PCR amplification, <u>Oncogene</u> , Vol. 6, No. 6, 1079-1083 (1991).
		Fenton, R.G. et al, Cytotoxic T-Cell Response and In Vivo Protection Against Tumor Cells Harboring Activated ras Proto-oncogenes, <u>Journal of the National Cancer Institute</u> , Vol. 85, No. 16, August 18, 1993.

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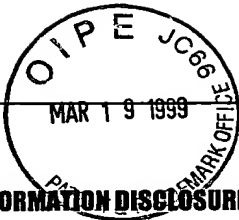
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		Tsang, K.Y. et al, Generation of human cytotoxic T cells specific for human carcinoembryonic antigen epitopes from patients immunized with recombinant vaccinia-CEA vaccine, <u>J. Natl. Cancer Inst.</u> , Vol. 87, No. 13, July 1995, 982-990.
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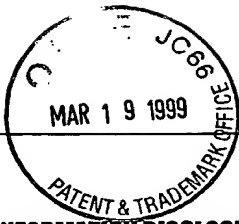
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

HAR		Carter, G. et al, <i>Ras</i> mutations in patients following cytotoxic therapy for lymphoma, <i>Oncogene</i> , Vol. 5, No. 3, 1990, 411-416.
HAR		Fenton, R.G. et al, Induction of T-Cell Immunity Against <i>Ras</i> Oncoproteins by Soluble Protein or <i>Ras</i> -Expressing <i>Escherichia coli</i> , <i>Journal of the National Cancer Institute</i> (Bethesda), Vol. 87, No. 24, 1995, 1853-1861.

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HR		Capon, D. J. et al, Activation of Ki-ras 2 gene in human colon and lung carcinomas by two different point mutations, <u>Nature</u> , Vol. 304, No. 11, August 1983, 507-513.
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HAR		Van Bleek, G. et al, Isolation of an endogenously processed immunodominant viral peptide from the class I H-2K molecule, <u>Nature</u> 1990, 348:213-216.
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		Bos, J.L., <i>ras</i> Oncogenes in Human Cancer: A Review, <u>Cancer Research</u> 49, 4682-4689 (1989).
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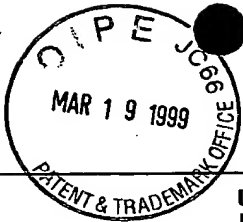
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		Abrams, S.I. et al, Peptide-specific activation of cytolytic CD4+ T lymphocytes against tumor cells bearing mutated epitopes of K- <i>ras</i> p21, <u>Eur. J. Immunol.</u> 25, 2588-2597 (1995).

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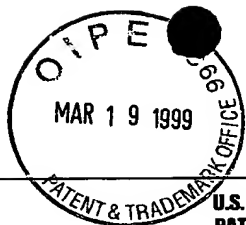
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HAR		Gjertsen, M.K. et al, <i>Ex vivo ras</i> peptide vaccination in patients with advanced pancreatic cancer: results of a phase I/II study, <u>Int. J. Cancer</u> 65, 450-453 (1996).

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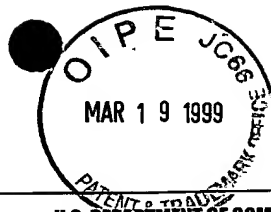
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		Kiaris, H. et al, Mutations of <i>ras</i> genes in human tumours (review), <u>Int. J. Oncol.</u> 7, 413-421 (1995).

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HAR		Fossum, B. et al, Overlapping epitopes encompassing a point mutation (12 Gly > Arg) in p21
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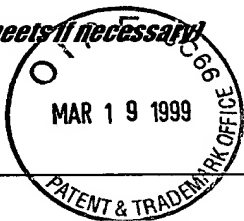
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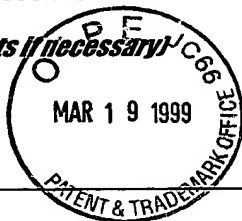
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HAR		Salter, R.D. et al, Impaired assembly and transport of HLA-A and B antigens in a mutant TxB hybrid, <u>EMBO J.</u> , 5, 943-949 (1986).
		Jung, S. et al, Human T lymphocytes recognize a peptide of single point-mutated, oncogenic <i>ras</i> proteins, <u>J. Exp. Med.</u> , 163, 273-276 (1991).

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HAR		Khleif, S.N. et al, Induction of T cell responses after vaccination with specific <i>Ras</i> mutant peptides in cancer patients, <u>Proceedings of the American Association for Cancer Research</u> , Vol. 37, March 1996, Abstract.
HAR		Tsang, K.Y. et al, Induction of Human Cytotoxic T Cell Lines Directed Against Point-Mutated p21 Ras-Derived Synthetic Peptides, <u>Vaccine Research</u> , Vol. 3, No. 4, p. 183-193, 1994.

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HAR		Gaudernack, G., T cell responses against mutant <i>ras</i> , a basis for novel cancer vaccines
		<u>Immunotechnology 2</u> (1996), pp. 3-9.
HAR		Carbone et al, Feasibility of immunization with individualized mutant <i>ras</i> and p53 peptides
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EXAMINER	HAR Robinson Eudt	
	DATE CONSIDERED 3/21/00 10/5/00	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.